Figure 1

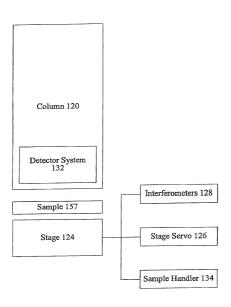


Figure 2

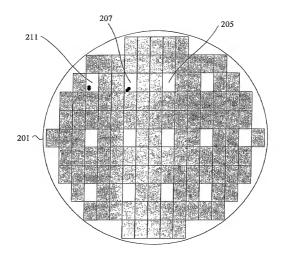


Figure 3

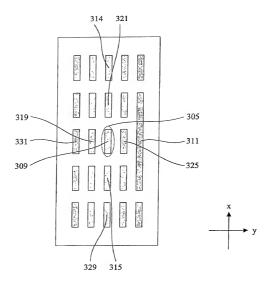
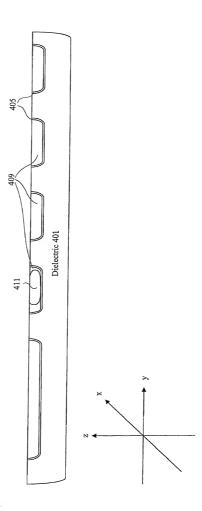
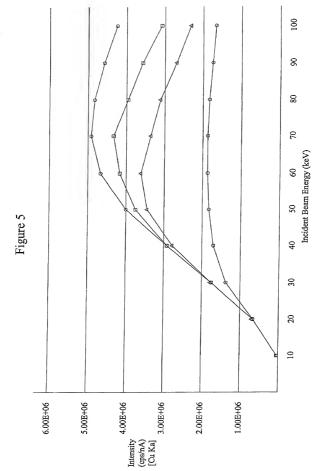


Figure 4

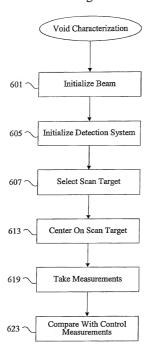


· , à ;



 \circ 3000nm Cu $\;$ $\,$ 2500nm Cu $\;$ Δ 2000nm Cu $\;$ \circ 1000nm Cu

Figure 6



Die 2, Void 1, x-ray measurement

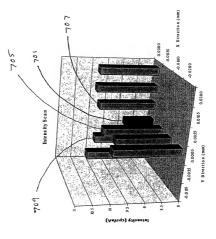


Figure 7A

Die2 No void, x-ray measurement

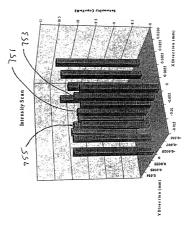


Figure 7B

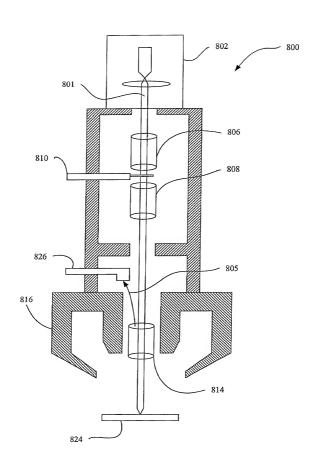


Figure 8

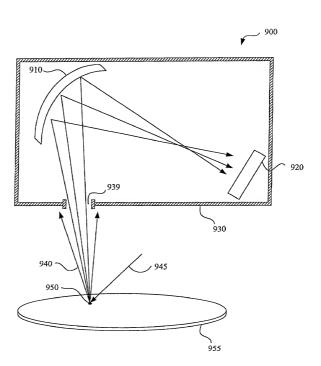


Figure 9

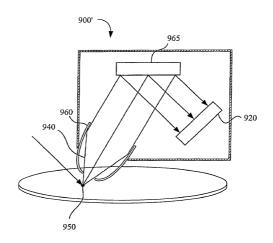


Figure 10